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(TM)

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Release 3.1A John F. Collins, Biocomputing Research Unit.

MPsrch_nn n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Fri Jan 14 07:03:10 2000; MasPar time 73.63 Seconds
1174.419 Million cell updates/sec
Tabular output not generated.

Title: >US-08-978-217-15
Description: (4501-5500) from US08978217.seq (6 of 10)
Perfect Score: 1000
N.A. Sequence: 4501 CAGCCTCCAACTCTTCTGAT.....GGAACTCATTGCATTGACGG 5500
Comp: GTCGGAGGTTGAGAAGACTA.....CCTTGAGTAACGTAACTGCC

Scoring table: TABLE default
Gap 6

Nmatch STD : Dbase 0; Query 0

Searched: 165362 seqs, 43234748 bases x 2

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database: n-issued
1:5A_COMB 2:5B_COMB 3:5C_COMB 4:PCT9_COMB 5:backfiles1

Statistics: Mean 8.548; Variance 4.296; scale 1.990

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description	Pred. No.
	1	97	9.7	7218	2	US-08-232-	Sequence 14, Applicati	9.77e-56
	2	92	9.2	1920	3	US-08-746-	Sequence 1, Applicatio	8.81e-52
c	3	61	6.1	7218	2	US-08-232-	Sequence 14, Applicati	7.93e-28
c	4	38	3.8	965	3	US-08-388-	Sequence 22, Applicati	3.35e-11
c	5	32	3.2	215	1	US-08-238-	Sequence 5, Applicatio	3.44e-07
	6	32	3.2	965	3	US-08-388-	Sequence 22, Applicati	3.44e-07
	7	31	3.1	215	1	US-08-238-	Sequence 5, Applicatio	1.53e-06
c	8	26	2.6	66	1	US-08-471-	Sequence 144, Applicat	2.05e-03
c	9	26	2.6	69	1	US-08-471-	Sequence 142, Applicat	2.05e-03
c	10	26	2.6	82	4	PCT-US95-1	Sequence 97, Applicati	2.05e-03
c	11	25	2.5	74	4	PCT-US95-1	Sequence 100, Applicat	8.13e-03
c	12	25	2.5	75	4	PCT-US95-1	Sequence 99, Applicati	8.13e-03
c	13	25	2.5	81	4	PCT-US95-1	Sequence 98, Applicati	8.13e-03
c	14	24	2.4	65	1	US-08-471-	Sequence 145, Applicat	3.15e-02
c	15	24	2.4	68	1	US-08-471-	Sequence 143, Applicat	3.15e-02
	16	24	2.4	74	4	PCT-US95-1	Sequence 100, Applicat	3.15e-02
c	17	24	2.4	74	4	PCT-US95-1	Sequence 94, Applicati	3.15e-02
	18	24	2.4	81	4	PCT-US95-1	Sequence 98, Applicati	3.15e-02
c	19	24	2.4	81	4	PCT-US95-1	Sequence 92, Applicati	3.15e-02
	20	24	2.4	82	4	PCT-US95-1	Sequence 97, Applicati	3.15e-02
	21	24	2.4	1320	3	US-08-461-	Sequence 8, Applicatio	3.15e-02
	22	24	2.4	1620	3	US-08-461-	Sequence 10, Applicati	3.15e-02
	23	24	2.4	2167	3	US-08-461-	Sequence 9, Applicatio	3.15e-02
	24	24	2.4	2668	3	US-08-461-	Sequence 11, Applicati	3.15e-02
	25	23	2.3	66	4	PCT-US95-1	Sequence 93, Applicati	1.19e-01
	26	23	2.3	75	4	PCT-US95-1	Sequence 99, Applicati	1.19e-01
	27	23	2.3	81	4	PCT-US95-1	Sequence 92, Applicati	1.19e-01
	28	22	2.2	65	1	US-08-471-	Sequence 145, Applicat	4.37e-01
c	29	22	2.2	66	4	PCT-US95-1	Sequence 93, Applicati	4.37e-01
	30	22	2.2	68	1	US-08-471-	Sequence 143, Applicat	4.37e-01
	31	22	2.2	69	1	US-08-471-	Sequence 142, Applicat	4.37e-01
	32	22	2.2	74	4	PCT-US95-1	Sequence 94, Applicati	4.37e-01
c	33	22	2.2	105	1	US-07-865-	Sequence 13, Applicati	4.37e-01
	34	22	2.2	2380	3	US-08-572-	Sequence 3, Applicatio	4.37e-01
	35	21	2.1	66	1	US-08-471-	Sequence 144, Applicat	1.56e+00
c	36	21	2.1	92	3	US-08-353-	Sequence 4, Applicatio	1.56e+00
	37	21	2.1	242	1	US-08-273-	Sequence 1, Applicatio	1.56e+00
	38	21	2.1	2277	3	US-08-676-	Sequence 2, Applicatio	1.56e+00
	39	21	2.1	2277	2	US-08-676-	Sequence 2, Applicatio	1.56e+00
	40	20	2.0	59	4	PCT-US95-1	Sequence 95, Applicati	5.36e+00
c	41	20	2.0	59	4	PCT-US95-1	Sequence 95, Applicati	5.36e+00
	42	20	2.0	85	2	US-08-538-	Sequence 1, Applicatio	5.36e+00
	43	20	2.0	85	4	PCT-US94-0	Sequence 26, Applicati	5.36e+00
c	44	20	2.0	242	1	US-08-273-	Sequence 1, Applicatio	5.36e+00
c	45	20	2.0	1106	4	PCT-US95-0	Sequence 3, Applicatio	5.36e+00

ALIGNMENTS

RESULT 1
ID US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP.
AC xxxxxx
DT
DE Sequence 14, Application US/08232463
CC Sequence 14, Application US/08232463
CC Patent No. 5670367
CC GENERAL INFORMATION:
CC APPLICANT: DORNER, F.
CC APPLICANT: SCHEIFLINGER, F.
CC APPLICANT: FALKNER, F. G.
CC TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
CC NUMBER OF SEQUENCES: 52
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Foley & Lardner
CC STREET: 1800 Diagonal Road, Suite 500
CC CITY: Alexandria
CC STATE: VA
CC COUNTRY: USA
CC ZIP: 22313-0299
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: PatentIn Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/232,463
CC FILING DATE:
CC CLASSIFICATION: 435
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US/07/935,313
CC FILING DATE:
CC APPLICATION NUMBER: EP 91 114 300.6
CC FILING DATE: 26-AUG-1991
CC ATTORNEY/AGENT INFORMATION:
CC NAME: BENT, Stephen A.
CC REGISTRATION NUMBER: 29,768
CC REFERENCE/DOCKET NUMBER: 30472/114 IMMU
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (703)836-9300
CC TELEFAX: (703)683-4109
CC TELEX: 899149
CC INFORMATION FOR SEQ ID NO: 14:
CC SEQUENCE CHARACTERISTICS:

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CC        LENGTH:  7218 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      IMMEDIATE SOURCE:
CC        CLONE:  pTZgpt-Fls
SQ   SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 OTHER.

  Query Match             9.7%;  Score 97;  DB 2;  Length 7218;
  Best Local Similarity   1.1%;  Pred. No. 9.77e-56;
  Matches     4;  Conservative  229;  Mismatches 136;  Indels   0;  Gaps   0;

Db   1062 GCGATYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1121
          |||| ::   :::::::  :     ::: :::::::::::::::::::::  ::: ::::
Qy   4582 GCGACTTGGGCCCCTTTGGTGAGAACCCATTTTCTCCCTTTTTCCTCCCTAGCTTGTCTT 4641

Db   1122 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1181
           :::: ::: :  :::::::    : :: :   : :::::::::  :::     :   ::
Qy   4642 GTCCCATCTGTAACTCCTCCAGAGTGCTACAGATATTCTCTCCCAACTTGAAAATAAGTC 4701

Db   1182 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1241
           : :  :: ::::: :  :::::      :: : ::: ::::: ::  : ::::   ::::
Qy   4702 CATAGTCATTTCTGTGGTCCCTGGAGGGTCGTGCCTGTCCTTGCTGGTATCCTGGGCCTC 4761

Db   1242 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1301
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Qy   4762 TCTAAGCTCTTAACTTCTTTTCTCAGATCAGGGAAGTCCTTTTGCCCAGGAACTCCTGGA 4821

Db   1302 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1361
           :  :  :: ::   ::  ::::: :: :: :  : ::: :  ::::    : ::::::::
Qy   4822 TGATGGCCGCCAGGCCAGTCCCTACTACTGCAGTACCTATGGCCCTGGAGCGCCCTCCCC 4881

Db   1362 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1421
           :  :  ::::  : ::::: :: :  :   :  :::: ::::: :: :  ::: ::::::::
Qy   4882 CGGCAGCTCTGATGTCTCCACTGCAAGTAAGTCCTGCCCTTGCCACAGCCTGCCTTCTCC 4941

Db   1422 YYYYYYYYY 1430
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Qy   4942 AAGTGCCCT 4950


RESULT    2
ID   US-08-746-789A-1 STANDARD; DNA; UNC; 1920 BP.
AC   xxxxxx
DT
DE   Sequence 1, Application US/08746789A
CC   Sequence 1, Application US/08746789A
CC   Patent No. 5789200
CC    GENERAL INFORMATION:
CC      APPLICANT:  Ismail Kola, Martin J. Tymms, Christine DeBouck
CC      TITLE OF INVENTION:  A No. 5789200el Human ETS Family Member, ELF3
CC      NUMBER OF SEQUENCES:  4
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  SmithKline Beecham Corporation
CC        STREET:  709 Swedeland Road, P.O. Box 1539
CC        CITY:  King of Prussia
CC        STATE:  PA
CC        COUNTRY:  USA
CC        ZIP:  19406-0939
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
CC        COMPUTER:  IBM 486
CC        OPERATING SYSTEM:  WINDOWS FOR WORKGROUPS
CC        SOFTWARE:  MICROSOFT WORD
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/746,789A
CC        FILING DATE:  No. 5789200ember 15, 1996
CC        CLASSIFICATION:  514
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:
CC        FILING DATE:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  William T. Han
CC        REGISTRATION NUMBER:  34,344
CC        REFERENCE/DOCKET NUMBER:  ATG 50024
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  610 270 5219
CC        TELEFAX:  610 270 4026
CC    INFORMATION FOR SEQ ID NO:  1:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  1920
CC        TYPE:  Nucleic Acid
CC        STRANDEDNESS:  Single
CC        TOPOLOGY:  Linear
CC      ANTI-SENSE:  No
SQ   SEQUENCE 1920 BP; 422 A; 561 C; 550 G; 387 T; 0 OTHER.

  Query Match             9.2%;  Score 92;  DB 3;  Length 1920;
  Best Local Similarity  84.3%;  Pred. No. 8.81e-52;
  Matches   113;  Conservative    0;  Mismatches  21;  Indels   0;  Gaps   0;

Db    786 CAAGCTCTTCCCCAGCGATGGTTTTCGTGACTGCAAGAAGGGGGATCCCAAGCACGGGAA 845
          ||| | | | ||||  ||||  |||  |||||  |||||||||||| ||||||||||||||
Qy   5270 CAACCCCCTTCCCATAGATGACTTTACTGACTATAAGAAGGGGGAACCCAAGCACGGGAA 5329

Db    846 GCGGAAACGAGGCCGGCCCCGAAAGCTGAGCAAAGAGTACTGGGACTGTCTCGAGGGCAA 905
          | ||||||| || || ||| |||||||||||||| || |||||||||||||| ||||||||
Qy   5330 GAGGAAACGGGGGCGTCCCAGAAAGCTGAGCAAGGAATACTGGGACTGTCTGGAGGGCAA 5389

Db    906 GAAGAGCAAGCACG 919
          ||||||||||||||
Qy   5390 GAAGAGCAAGCACG 5403


RESULT    3
ID   US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP.
AC   xxxxxx
DT
DE   Sequence 14, Application US/08232463
CC   Sequence 14, Application US/08232463
CC   Patent No. 5670367
CC    GENERAL INFORMATION:
CC      APPLICANT:  DORNER, F.
CC      APPLICANT:  SCHEIFLINGER, F.
CC      APPLICANT:  FALKNER, F. G.
CC      TITLE OF INVENTION:  RECOMBINANT FOWLPOX VIRUS
CC      NUMBER OF SEQUENCES:  52
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Foley & Lardner
CC        STREET:  1800 Diagonal Road, Suite 500
CC        CITY:  Alexandria
CC        STATE:  VA
CC        COUNTRY:  USA
CC        ZIP:  22313-0299
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/232,463
CC        FILING DATE:
CC        CLASSIFICATION:  435
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  US/07/935,313
CC        FILING DATE:
CC        APPLICATION NUMBER:  EP 91 114 300.6
CC        FILING DATE:  26-AUG-1991
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  BENT, Stephen A.
CC        REGISTRATION NUMBER:  29,768
CC        REFERENCE/DOCKET NUMBER:  30472/114 IMMU
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (703)836-9300
CC        TELEFAX:  (703)683-4109
CC        TELEX:  899149
```

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CC    INFORMATION FOR SEQ ID NO:  14:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  7218 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      IMMEDIATE SOURCE:
CC        CLONE:  pTZgpt-F1s
SQ   SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 OTHER.

  Query Match             6.1%;  Score 61;  DB 2;  Length 7218;
  Best Local Similarity   6.9%;  Pred. No. 7.93e-28;
  Matches    11;  Conservative   99;  Mismatches  49;  Indels   0;  Gaps   0;

Db   1293 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1352
           ::::::: ::: :   :::  :  :::::    ::: :: : ::: :::::::: :::::
Cp   5441 TCCCTCCGCCCACAGGCCTGGCAGCCCTTAGAGCTTACCGTGCTTGCTCTTCTTGCCCTC 5382

Db   1353 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1412
           :   :  ::::  : ::::::: :::  ::::::    : ::::: :::::::::::: :
Cp   5381 CAGACAGTCCCAGTATTCCTTGCTCAGCTTTCTGGGACGCCCCCGTTTCCTCTTCCCGTG 5322

Db   1413 YYYYYYYYYYYYYYYYYYYYYYGTACCAAATTCTTCTAT 1451
           :::   :::::::::::: :    |  ||| || |||||
Cp   5321 CTTGGGTTCCCCCTTCTTATAGTCAGTAAAGTCATCTAT 5283


RESULT    4
ID   US-08-388-672A-22 STANDARD; DNA; UNC; 965 BP.
AC   xxxxxx
DT
DE   Sequence 22, Application US/08388672A
CC   Sequence 22, Application US/08388672A
CC   Patent No. 5795961
CC    GENERAL INFORMATION:
CC      APPLICANT:  Wallace, T. Paul
CC      APPLICANT:  Harris, William J.
CC      APPLICANT:  Carr, Frank J.
CC      APPLICANT:  Old, Lloyd J.
CC      APPLICANT:  Welt, Sydney
CC      APPLICANT:  Kitamura, Kunio
CC      TITLE OF INVENTION:  Recombinant Human Anti-Lewis B
CC      TITLE OF INVENTION:  Antibodies
CC      NUMBER OF SEQUENCES:  25
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Felfe and Lynch
CC        STREET:  805 Third Avenue
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  U.S.A.
CC        ZIP:  10022
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/388,672A
CC        FILING DATE:  14-FEB-1995
CC        CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Hanson, No. 5795961man D.
CC        REGISTRATION NUMBER:  30,946
CC        REFERENCE/DOCKET NUMBER:  LUD 5409
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  212-688-9200
CC        TELEFAX:  212-838-3884
CC    INFORMATION FOR SEQ ID NO:  22:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  965 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  unknown
CC        TOPOLOGY:  unknown
CC      MOLECULE TYPE:  DNA (genomic)
SQ   SEQUENCE 965 BP; 192 A; 170 C; 226 G; 200 T; 177 OTHER.

  Query Match             3.8%;  Score 38;  DB 3;  Length 965;
  Best Local Similarity  17.5%;  Pred. No. 3.35e-11;
  Matches    30;  Conservative   74;  Mismatches  66;  Indels   1;  Gaps   1;

Db    775 GGGTKKGURHUVHVSGGVRSTSTCTASDYTTSYWGWVRGRGWGDYGGGYTNYNGKRGRVT 834
          || |::|  : : :: |:::|  || :   |: :|:::   :|:   |:    |::|::
Cp   4931 GGCTGTGGCAAGGGCAGGACTTACTTGCAGTGGAGACATC-AGAGCTGCCGGGGGAGGGC 4873

Db    835 MADTSSNSRSSVTAADTAVYYCVRGRSYDSDGGDYWGGTTVTVSSHUVKDMTSSSSASVG 894
            : :  :::::|| :||:: |:: :::::::|  : |  |: :::: :: :|:: :  :
Cp   4872 GCTCCAGGGCCATAGGTACTGCAGTAGTAGGGACTGGCCTGGCGGCCATCATCCAGGAGT 4813

Db    895 DRVTTCRSSTTHGNGNTYYWYKGKAKYRVSNRSGVSRSGSGSGTDYTTSSD 945
          : :|  ::   :|   |:: ::|   :::: :  : ::    | ::|| ::
Cp   4812 TCCTGGGCAAAAGGACTTCCCTGATCTGAGAAAAGAAGTTAAGAGCTTAGA 4762


RESULT    5
ID   US-08-238-163-5 STANDARD; DNA; UNC; 215 BP.
AC   xxxxxx
DT
DE   Sequence 5, Application US/08238163
CC   Sequence 5, Application US/08238163
CC   Patent No. 5569830
CC    GENERAL INFORMATION:
CC      APPLICANT:  BENNETT, Alan
CC      APPLICANT:  LABAVITCH, John M.
CC      APPLICANT:  POWELL, Ann
CC      APPLICANT:  STOTZ, Henrik
CC      TITLE OF INVENTION:  PLANT INHIBITORS OF FUNGAL
CC      TITLE OF INVENTION:  POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEA
CC      NUMBER OF SEQUENCES:  24
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Townsend and Townsend Khourie and Crew
CC        STREET:  Steuart Street Tower, One Market Plaza
CC        CITY:  San Francisco
CC        STATE:  California
CC        COUNTRY:  US
CC        ZIP:  94105-1493
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/238,163
CC        FILING DATE:  03-MAY-1994
CC        CLASSIFICATION:  800
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Bastian, Kevin L.
CC        REGISTRATION NUMBER:  34,774
CC        REFERENCE/DOCKET NUMBER:  2307E-540
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (415) 543-9600
CC        TELEFAX:  (415) 543-5043
CC    INFORMATION FOR SEQ ID NO:  5:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  215 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  unknown
CC      MOLECULE TYPE:  protein
CC      FEATURE:
CC        NAME/KEY:  misc_feature
CC        LOCATION:  1..215
CC        OTHER INFORMATION:  /standard_name= "Deduced amino acid
CC        OTHER INFORMATION:  sequence of PGIP from bean."
SQ   SEQUENCE 215 BP; 15 A; 8 C; 25 G; 26 T; 141 OTHER.

  Query Match             3.2%;  Score 32;  DB 1;  Length 215;
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  Best Local Similarity  15.6%;  Pred. No. 3.44e-07;
  Matches    23;  Conservative   57;  Mismatches  66;  Indels   1;  Gaps   1;

Db      51 RVNNDSGHNKYSSANYNYGGNNVGAAKTHYYTHTNVSGADSKTVTDSYNASGTSSSNGGT 110
           ::  :: :  :::  :  ||  :  |: : : :  : | :::|:|: : | || ::  |
Cp    4739 ACAGGCACGACCCTCCAGGGACCACAGAAATGACTATGGACTTATTTTCAAGTTGGGAGA 4680

Db     111 DGNRSGADSYGSSKTAMTSRNRT-GKTANNAVDSRNMGDASVGSDKNTKKHAKNSADGKV 169
           :     ::: ::   :|:: :  |:||   :::: : :|:: :: | :    :|:  :
Cp    4679 GAATATCTGTAGCACTCTGGAGGAGTTACAGATGGGACAAGACAAGCTAGGGAGGAAAAA 4620

Db     170 GSKNNGDRNNRYGTGTKSNVSNNCGGG 196
           |::   ::  : ||  :: ::   |||
Cp    4619 GGGAGAAAATGGGTTCTCACCAAAGGG 4593


RESULT    6
ID   US-08-388-672A-22 STANDARD; DNA; UNC; 965 BP.
AC   xxxxxx
DT
DE   Sequence 22, Application US/08388672A
CC   Sequence 22, Application US/08388672A
CC   Patent No. 5795961
CC    GENERAL INFORMATION:
CC      APPLICANT:  Wallace, T. Paul
CC      APPLICANT:  Harris, William J.
CC      APPLICANT:  Carr, Frank J.
CC      APPLICANT:  Old, Lloyd J.
CC      APPLICANT:  Welt, Sydney
CC      APPLICANT:  Kitamura, Kunio
CC      TITLE OF INVENTION:  Recombinant Human Anti-Lewis B
CC      TITLE OF INVENTION:  Antibodies
CC      NUMBER OF SEQUENCES:  25
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Felfe and Lynch
CC        STREET:  805 Third Avenue
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  U.S.A.
CC        ZIP:  10022
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/388,672A
CC        FILING DATE:  14-FEB-1995
CC        CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Hanson, No. 5795961man D.
CC        REGISTRATION NUMBER:  30,946
CC        REFERENCE/DOCKET NUMBER:  LUD 5409
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  212-688-9200
CC        TELEFAX:  212-838-3884
CC     INFORMATION FOR SEQ ID NO:  22:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  965 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  unknown
CC        TOPOLOGY:  unknown
CC      MOLECULE TYPE:  DNA (genomic)
SQ   SEQUENCE 965 BP; 192 A; 170 C; 226 G; 200 T; 177 OTHER.

  Query Match            3.2%;  Score 32;  DB 3;  Length 965;
  Best Local Similarity  15.0%;  Pred. No. 3.44e-07;
  Matches    17;  Conservative   55;  Mismatches  40;  Indels   1;  Gaps   1;

Db     818 DYGGGYTNYNGKRGRVTMADTSSNSRSSVTAADTAVYYCVRGRSYDSDGGDYWGGTTVTV 877
           :: | :| : |::|::   :|:  ::::   |   : :|::|:::: :|  ::   |: :
Qy    5084 TCTGACTCCGGTGGAAGTGATGTGGACCTGGACCTCACCGAGAGCAAGGTCTTCCCTAGA 5143

Db     878 SSHUVKDMTSSSSASVGDRVTTCRSSTTHGNGNTYYWYKGKAKYRVSNRSGVS 930
           ::: ::: |: :: : |: :|| ::: |:  |  : : :|:  :::: :: ::
Qy    5144 GGTGAGT-TGAGGGCTGTTCTTGGGGGTCCTGTCCATGGGGTCTAGCCACTCC 5195


RESULT    7
ID   US-08-238-163-5 STANDARD; DNA; UNC; 215 BP.
AC   xxxxxx
DT
DE   Sequence 5, Application US/08238163
CC   Sequence 5, Application US/08238163
CC   Patent No. 5569830
CC    GENERAL INFORMATION:
CC      APPLICANT:  BENNETT, Alan
CC      APPLICANT:  LABAVITCH, John M.
CC      APPLICANT:  POWELL, Ann
CC      APPLICANT:  STOTZ, Henrik
CC      TITLE OF INVENTION:  PLANT INHIBITORS OF FUNGAL
CC      TITLE OF INVENTION:  POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEA
CC      NUMBER OF SEQUENCES:  24
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Townsend and Townsend Khourie and Crew
CC        STREET:  Steuart Street Tower, One Market Plaza
CC        CITY:  San Francisco
CC        STATE:  California
CC        COUNTRY:  US
CC        ZIP:  94105-1493
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/238,163
CC        FILING DATE:  03-MAY-1994
CC        CLASSIFICATION:  800
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Bastian, Kevin L.
CC        REGISTRATION NUMBER:  34,774
CC        REFERENCE/DOCKET NUMBER:  2307E-540
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (415) 543-9600
CC        TELEFAX:  (415) 543-5043
CC     INFORMATION FOR SEQ ID NO:  5:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  215 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  unknown
CC      MOLECULE TYPE:  protein
CC      FEATURE:
CC        NAME/KEY:  misc_feature
CC        LOCATION:  1..215
CC        OTHER INFORMATION:  /standard_name= "Deduced amino acid
CC        OTHER INFORMATION:  sequence of PGIP from bean."
SQ   SEQUENCE 215 BP; 15 A; 8 C; 25 G; 26 T; 141 OTHER.

  Query Match            3.1%;  Score 31;  DB 1;  Length 215;
  Best Local Similarity  13.9%;  Pred. No. 1.53e-06;
  Matches    25;  Conservative   69;  Mismatches  85;  Indels   1;  Gaps   1;

Db      31 SWTTDCCNRTWGVCDTDTTYRVNNDSGHNKYSSANYNYGGNNVGAAKTHYYTHTNVSGAD 90
           :: |:|| :|  :  |:  : :  ::|: :::   :       :|| |: :    :: |:
Qy    5071 GAGTTCCCATGCCTCTGACTCCGGTGGAAGTGATGTGGACCTGGACCTCACCGAGAGCAA 5130

Db      91 SKTVTDSYNASGTSSSNGGTDGNRSGADSYGSSKTAMTSRNRTGKTANNAVDSRNMGDAS 150
           ::|:|:::   | ::   ||:| ::| ::: : :|   ::    :|    :::: : : :
Qy    5131 GGTCTTCCCTAGAGGTGAGTTGAGGGCTGTTC-TTGGGGGTCCTGTCCATGGGGTCTAGC 5189

Db     151 VGSDKNTKKHAKNSADGKVGSKNNGDRNNRYGTGTKSNVSNNCGGGNKRDVSSYANNKCC 210
           : ::   :: : : : ::|::   :    :||     ::  |    : ::: :   :||
Qy    5190 CACTCCCCTCTGCCCTATGGCTGCAGTTTCTGTACCAAGGCTCCCTGTTGACACCCTGCC 5249
```

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RESULT    8
ID   US-08-471-052A-144 STANDARD; DNA; UNC; 66 BP.
AC   xxxxxx
DT
DE   Sequence 144, Application US/08471052A
CC   Sequence 144, Application US/08471052A
CC   Patent No. 5625033
CC    GENERAL INFORMATION:
CC      APPLICANT:  Kay, B. K.
CC      APPLICANT:  Fowlkes, D. M.
CC      TITLE OF INVENTION:  Totally Synthetic Affinity Reagents
CC      NUMBER OF SEQUENCES:  166
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Pennie & Edmonds
CC        STREET:  1155 Avenue of the Americas
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  U.S.A.
CC        ZIP:  10036-2711
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/471,052A
CC        FILING DATE:  06-JUNE-1995
CC        CLASSIFICATION:  530
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Misrock, S. Leslie
CC        REGISTRATION NUMBER:  18,872
CC        REFERENCE/DOCKET NUMBER:  1101-179
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  212 790-9090
CC        TELEFAX:  212 869-8864/9741
CC        TELEX:  66141 PENNIE
CC     INFORMATION FOR SEQ ID NO:  144:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  66 bases
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  unknown
CC      MOLECULE TYPE:  DNA
SQ   SEQUENCE 66 BP; 2 A; 3 C; 4 G; 2 T; 55 OTHER.

  Query Match             2.6%;  Score 26;  DB 1;  Length 66;
  Best Local Similarity  12.7%;  Pred. No. 2.05e-03;
  Matches     8;  Conservative   18;  Mismatches  37;  Indels   0;  Gaps   0;

Db       3 GAGNNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBCC 62
           |||   : : : : : : : : : : : : : : : : : : :||
Cp    4878 GAGGGCGCTCCAGGGCCATAGGTACTGCAGTAGTAGGGACTGGCCTGGCGGCCATCATCC 4819

Db      63 AGG 65
           |||
Cp    4818 AGG 4816


RESULT    9
ID   US-08-471-052A-142 STANDARD; DNA; UNC; 69 BP.
AC   xxxxxx
DT
DE   Sequence 142, Application US/08471052A
CC   Sequence 142, Application US/08471052A
CC   Patent No. 5625033
CC    GENERAL INFORMATION:
CC      APPLICANT:  Kay, B. K.
CC      APPLICANT:  Fowlkes, D. M.
CC      TITLE OF INVENTION:  Totally Synthetic Affinity Reagents
CC      NUMBER OF SEQUENCES:  166
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Pennie & Edmonds
CC        STREET:  1155 Avenue of the Americas
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  U.S.A.
CC        ZIP:  10036-2711
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/471,052A
CC        FILING DATE:  06-JUNE-1995
CC        CLASSIFICATION:  530
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Misrock, S. Leslie
CC        REGISTRATION NUMBER:  18,872
CC        REFERENCE/DOCKET NUMBER:  1101-179
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  212 790-9090
CC        TELEFAX:  212 869-8864/9741
CC        TELEX:  66141 PENNIE
CC     INFORMATION FOR SEQ ID NO:  142:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  69 bases
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  unknown
CC      MOLECULE TYPE:  DNA
SQ   SEQUENCE 69 BP; 2 A; 4 C; 6 G; 2 T; 55 OTHER.

  Query Match             2.6%;  Score 26;  DB 1;  Length 69;
  Best Local Similarity  12.7%;  Pred. No. 2.05e-03;
  Matches     8;  Conservative   18;  Mismatches  37;  Indels   0;  Gaps   0;

Db       6 GAGNNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBCC 65
           |||   : : : : : : : : : : : : : : : : : : :||
Cp    4878 GAGGGCGCTCCAGGGCCATAGGTACTGCAGTAGTAGGGACTGGCCTGGCGGCCATCATCC 4819

Db      66 AGG 68
           |||
Cp    4818 AGG 4816


RESULT   10
ID   PCT-US95-11934-97 STANDARD; DNA; UNC; 82 BP.
AC   xxxxxx
DT
DE   Sequence 97, Application PC/TUS9511934
CC   Sequence 97, Application PC/TUS9511934
CC    GENERAL INFORMATION:
CC      APPLICANT:  Cytogen Corporation
CC      TITLE OF INVENTION:  Antigen Binding Peptides (Abtides) From
CC      TITLE OF INVENTION:  Peptide Libraries
CC      NUMBER OF SEQUENCES:  103
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Pennie & Edmonds
CC        STREET:  1155 Avenue of the Americas
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  USA
CC        ZIP:  10036
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  PCT/US95/11934
CC        FILING DATE:  20-SEP-1995
CC        CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Misrock, S. Leslie
```

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CC        REGISTRATION NUMBER:  18,872
CC        REFERENCE/DOCKET NUMBER:  1101-196-228
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (212) 790-9090
CC        TELEFAX:  (212) 869-9741/8864
CC        TELEX:  66141 PENNIE
CC    INFORMATION FOR SEQ ID NO:  97:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  82 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  DNA (genomic)
SQ   SEQUENCE 82 BP; 1 A; 2 C; 10 G; 8 T; 61 OTHER.

  Query Match            2.6%;  Score 26;  DB 4;  Length 82;
  Best Local Similarity  12.7%;  Pred. No. 2.05e-03;
  Matches     9;  Conservative   19;  Mismatches  43;  Indels   0;  Gaps   0;

Db       7 CTCGAGNNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNN 66
           ||| ||   : : : : : : : : : : :     : : : : : :
Cp    5384 CTCCAGACAGTCCCAGTATTCCTTGCTCAGCTTTCTGGGACGCCCCCGTTTCCTCTTCCC 5325

Db      67 BNNBNNBGGTT 77
           :  :  :||||
Cp    5324 GTGCTTGGGTT 5314


RESULT   11
ID   PCT-US95-11934-100 STANDARD; DNA; UNC; 74 BP.
AC   xxxxxx
DT
DE   Sequence 100, Application PC/TUS9511934
CC   Sequence 100, Application PC/TUS9511934
CC    GENERAL INFORMATION:
CC      APPLICANT:  Cytogen Corporation
CC      TITLE OF INVENTION:  Antigen Binding Peptides (Abtides) From
CC      TITLE OF INVENTION:  Peptide Libraries
CC      NUMBER OF SEQUENCES:  103
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Pennie & Edmonds
CC        STREET:  1155 Avenue of the Americas
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  USA
CC        ZIP:  10036
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  PCT/US95/11934
CC        FILING DATE:  20-SEP-1995
CC        CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Misrock, S. Leslie
CC        REGISTRATION NUMBER:  18,872
CC        REFERENCE/DOCKET NUMBER:  1101-196-228
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (212) 790-9090
CC        TELEFAX:  (212) 869-9741/8864
CC        TELEX:  66141 PENNIE
CC    INFORMATION FOR SEQ ID NO:  100:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  74 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  DNA (genomic)
SQ   SEQUENCE 74 BP; 6 A; 6 C; 1 G; 1 T; 60 OTHER.

  Query Match            2.5%;  Score 25;  DB 4;  Length 74;
  Best Local Similarity  10.1%;  Pred. No. 8.13e-03;
  Matches     7;  Conservative   20;  Mismatches  42;  Indels   0;  Gaps   0;

Db       5 AVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVN 64
           |: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Cp    5217 AACTGCAGCCATAGGGCAGAGGGGAGTGGCTAGACCCCATGGACAGGACCCCCAAGAACA 5158

Db      65 NACCACAAC 73
             || ||||
Cp    5157 GCCCTCAAC 5149


RESULT   12
ID   PCT-US95-11934-99 STANDARD; DNA; UNC; 75 BP.
AC   xxxxxx
DT
DE   Sequence 99, Application PC/TUS9511934
CC   Sequence 99, Application PC/TUS9511934
CC    GENERAL INFORMATION:
CC      APPLICANT:  Cytogen Corporation
CC      TITLE OF INVENTION:  Antigen Binding Peptides (Abtides) From
CC      TITLE OF INVENTION:  Peptide Libraries
CC      NUMBER OF SEQUENCES:  103
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Pennie & Edmonds
CC        STREET:  1155 Avenue of the Americas
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  USA
CC        ZIP:  10036
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  PCT/US95/11934
CC        FILING DATE:  20-SEP-1995
CC        CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Misrock, S. Leslie
CC        REGISTRATION NUMBER:  18,872
CC        REFERENCE/DOCKET NUMBER:  1101-196-228
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (212) 790-9090
CC        TELEFAX:  (212) 869-9741/8864
CC        TELEX:  66141 PENNIE
CC    INFORMATION FOR SEQ ID NO:  99:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  75 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  DNA (genomic)
SQ   SEQUENCE 75 BP; 1 A; 1 C; 7 G; 5 T; 61 OTHER.

  Query Match            2.5%;  Score 25;  DB 4;  Length 75;
  Best Local Similarity  11.4%;  Pred. No. 8.13e-03;
  Matches     8;  Conservative   19;  Mismatches  43;  Indels   0;  Gaps   0;

Db       1 TCGAGNNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNBNNB 60
           || ||   : : : : : : : : : : : : :     : : : : : : : : : :
Cp    5383 TCCAGACAGTCCCAGTATTCCTTGCTCAGCTTTCTGGGACGCCCCCGTTTCCTCTTCCCG 5324

Db      61 NNBNNBGGTT 70
             :  :||||
Cp    5323 TGCTTGGGTT 5314


RESULT   13
ID   PCT-US95-11934-98 STANDARD; DNA; UNC; 81 BP.
AC   xxxxxx
DT
```

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DE   Sequence 98, Application PC/TUS9511934
CC   Sequence 98, Application PC/TUS9511934
CC    GENERAL INFORMATION:
CC      APPLICANT:  Cytogen Corporation
CC      TITLE OF INVENTION:  Antigen Binding Peptides (Abtides) From
CC      TITLE OF INVENTION:  Peptide Libraries
CC      NUMBER OF SEQUENCES:  103
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Pennie & Edmonds
CC        STREET:  1155 Avenue of the Americas
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  USA
CC        ZIP:  10036
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  PCT/US95/11934
CC        FILING DATE:  20-SEP-1995
CC        CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Misrock, S. Leslie
CC        REGISTRATION NUMBER:  18,872
CC        REFERENCE/DOCKET NUMBER:  1101-196-228
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (212) 790-9090
CC        TELEFAX:  (212) 869-9741/8864
CC        TELEX:  66141 PENNIE
CC    INFORMATION FOR SEQ ID NO:  98:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  81 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  DNA (genomic)
SQ   SEQUENCE 81 BP; 6 A; 6 C; 4 G; 5 T; 60 OTHER.

  Query Match            2.5%;  Score 25;  DB 4;  Length 81;
  Best Local Similarity  10.4%;  Pred. No. 8.13e-03;
  Matches     7;  Conservative   20;  Mismatches  40;  Indels   0;  Gaps   0;

Db       4 GTGTCTAGAVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNN 63
           ||||| | |: : : : : : : : : : : : : : : : : : : : : : : : : :
Cp    5243 GTGTCAACAGGGAGCCTTGGTACAGAAACTGCAGCCATAGGGCAGAGGGGAGTGGCTAGA 5184

Db      64 VNNVNNV 70
           : : :
Cp    5183 CCCCATG 5177


RESULT   14
ID   US-08-471-052A-145 STANDARD; DNA; UNC; 65 BP.
AC   xxxxxx
DT
DE   Sequence 145, Application US/08471052A
CC   Sequence 145, Application US/08471052A
CC   Patent No. 5625033
CC    GENERAL INFORMATION:
CC      APPLICANT:  Kay, B. K.
CC      APPLICANT:  Fowlkes, D. M.
CC      TITLE OF INVENTION:  Totally Synthetic Affinity Reagents
CC      NUMBER OF SEQUENCES:  166
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Pennie & Edmonds
CC        STREET:  1155 Avenue of the Americas
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  U.S.A.
CC        ZIP:  10036-2711
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/471,052A
CC        FILING DATE:  06-JUNE-1995
CC        CLASSIFICATION:  530
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Misrock, S. Leslie
CC        REGISTRATION NUMBER:  18,872
CC        REFERENCE/DOCKET NUMBER:  1101-179
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  212 790-9090
CC        TELEFAX:  212 869-8864/9741
CC        TELEX:  66141 PENNIE
CC    INFORMATION FOR SEQ ID NO:  145:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  65 bases
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  unknown
CC      MOLECULE TYPE:  DNA
SQ   SEQUENCE 65 BP; 3 A; 3 C; 3 G; 2 T; 54 OTHER.

  Query Match            2.4%;  Score 24;  DB 1;  Length 65;
  Best Local Similarity  10.0%;  Pred. No. 3.15e-02;
  Matches     6;  Conservative   18;  Mismatches  36;  Indels   0;  Gaps   0;

Db       2 TAGAVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNAC 61
           ||||: : : : : : : : : : : : : : : : : : : : : : : : : : : ||
Cp    4765 TAGAGAGGCCCAGGATACCAGCAAGGACAGGCACGACCCTCCAGGGACCACAGAAATGAC 4706


RESULT   15
ID   US-08-471-052A-143 STANDARD; DNA; UNC; 68 BP.
AC   xxxxxx
DT
DE   Sequence 143, Application US/08471052A
CC   Sequence 143, Application US/08471052A
CC   Patent No. 5625033
CC    GENERAL INFORMATION:
CC      APPLICANT:  Kay, B. K.
CC      APPLICANT:  Fowlkes, D. M.
CC      TITLE OF INVENTION:  Totally Synthetic Affinity Reagents
CC      NUMBER OF SEQUENCES:  166
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Pennie & Edmonds
CC        STREET:  1155 Avenue of the Americas
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  U.S.A.
CC        ZIP:  10036-2711
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/471,052A
CC        FILING DATE:  06-JUNE-1995
CC        CLASSIFICATION:  530
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Misrock, S. Leslie
CC        REGISTRATION NUMBER:  18,872
CC        REFERENCE/DOCKET NUMBER:  1101-179
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  212 790-9090
CC        TELEFAX:  212 869-8864/9741
CC        TELEX:  66141 PENNIE
CC    INFORMATION FOR SEQ ID NO:  143:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  68 bases
```

```
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  unknown
CC      MOLECULE TYPE:  DNA
SQ   SEQUENCE 68 BP; 3 A; 3 C; 5 G; 3 T; 54 OTHER.

  Query Match            2.4%;  Score 24;  DB 1;  Length 68;
  Best Local Similarity  10.0%;  Pred. No. 3.15e-02;
  Matches     6;  Conservative   18;  Mismatches  36;  Indels   0;  Gaps   0;

Db      5 TAGAVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNAC 64
          ||||:  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  ||
Cp   4765 TAGAGAGGCCCAGGATACCAGCAAGGACAGGCACGACCCTCCAGGGACCACAGAAATGAC 4706


Search completed: Fri Jan 14 07:05:14 2000
Job time : 124 secs.
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